

## SECTION 27

### CLASSES OF CONCRETE

#### 1.27.1 1996 EDITION OF THE STANDARD SPECIFICATIONS

The 1996 NJDOT Standard Specifications for Road and Bridge Construction provide the following classes of concrete for the various items of work of concrete structures:

##### Structural Concrete Items

| <u>Cast-in-Place Items</u>          | <u>Concrete Class</u> |
|-------------------------------------|-----------------------|
| Nonreinforced Footings .....        | B                     |
| Reinforced Footings .....           | B                     |
| Abutments, Walls                    |                       |
| Solid Shaft Piers, Pylons .....     | B                     |
| White Concrete                      |                       |
| Barrier Curb, Bridge .....          | B                     |
| Piles .....                         | B                     |
| Columns and Caps for Piers, Arch    |                       |
| Spans, Rigid Frames, Culverts ..... | A                     |
| Decks, Sidewalks, Concrete          |                       |
| Patch, Parapets, Curbs .....        | A                     |
| Seal (Tremie) Concrete .....        | S                     |

| <u>Prestressed Items</u> | <u>Concrete Class</u> |
|--------------------------|-----------------------|
| Beams .....              | P, P-1& P-2           |
| Posts .....              | P, P-1& P-2           |
| Piles.....               | P                     |

| <u>Precast Items</u>                     | <u>Concrete Class</u> |
|--|-----------------------|
| Crib Wall Members .....                  | A                     |
| Piles .....                              | B                     |
| Culverts .....                           | P                     |
| Proprietary Retaining Wall Members ..... | P                     |
| Noise Barriers .....                     | P                     |
| Posts .....                              | P                     |

| <u>Others</u>                    | <u>Concrete Class</u> |
|----------------------------------|-----------------------|
| Concrete Slope Protection* ..... | C                     |

The classes of concrete for the various structure components shall be noted on the plans.

\* This item is located in Table 914-1 for Roadway Concrete Items.